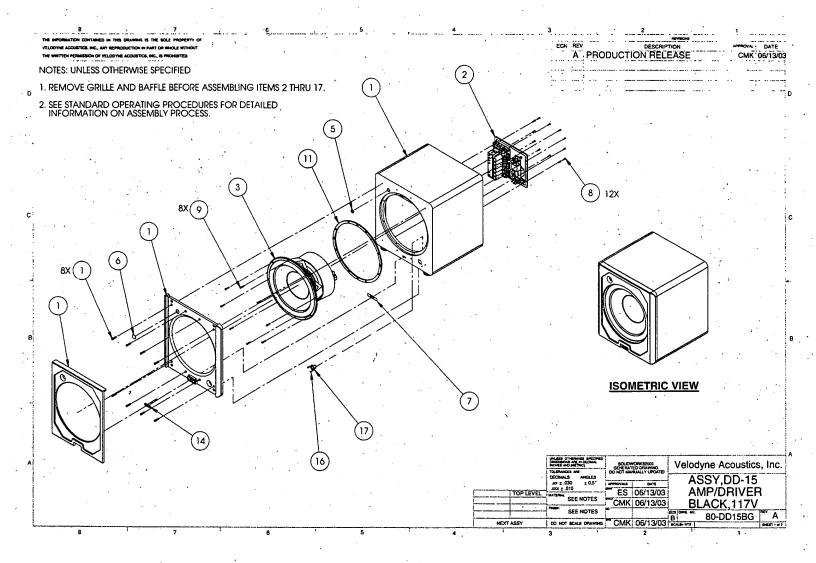
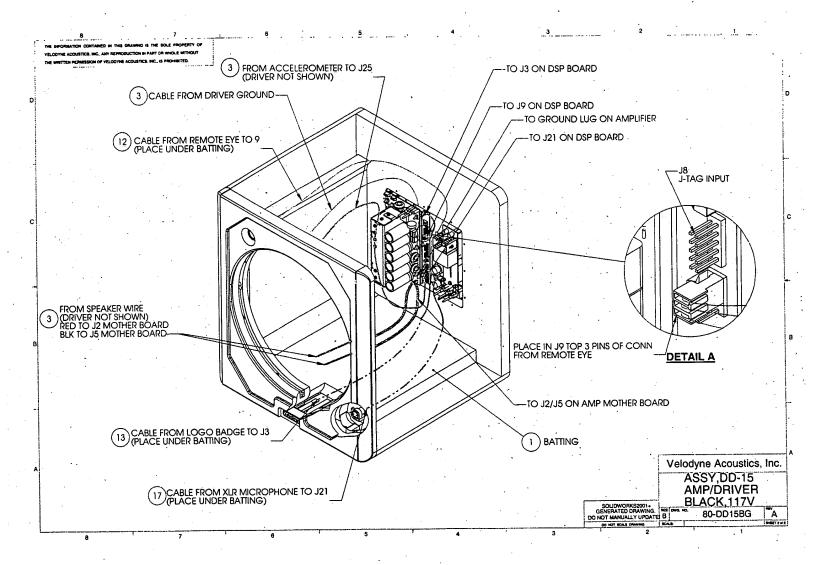
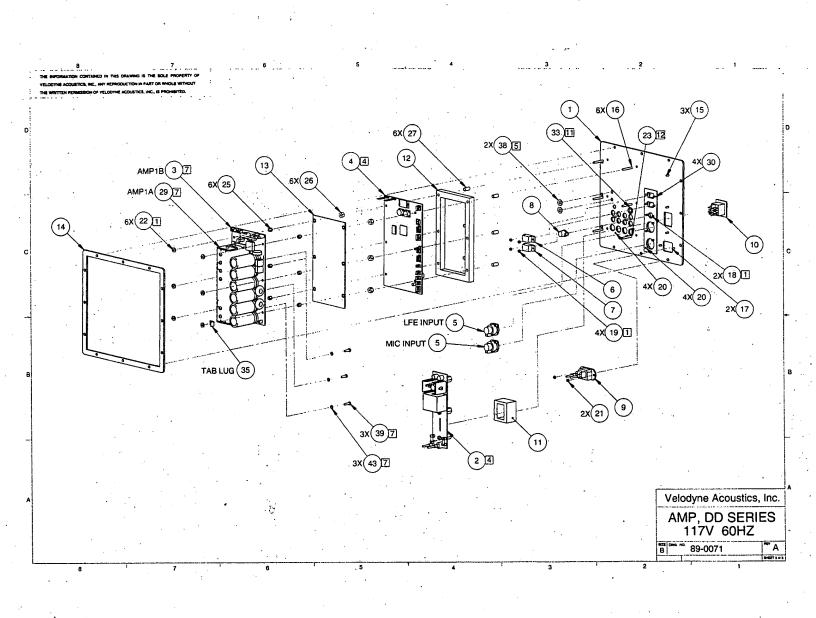
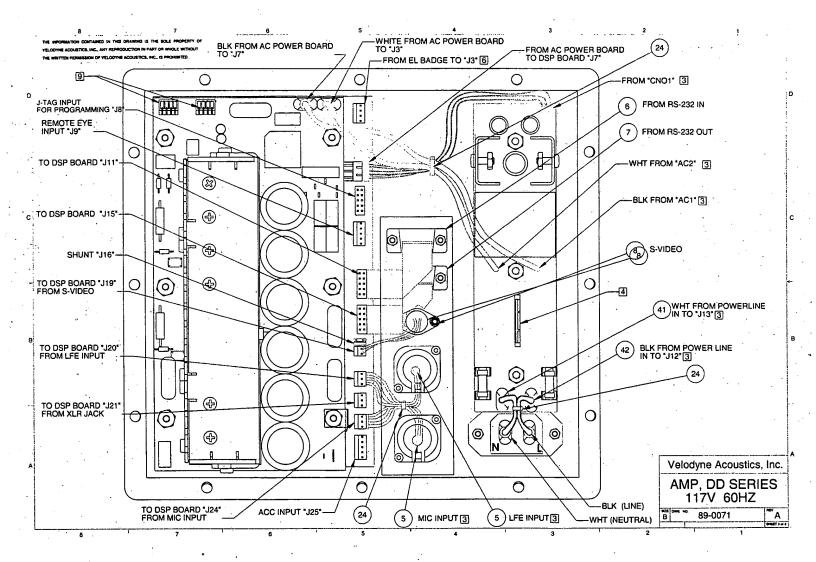
APPENDIX A

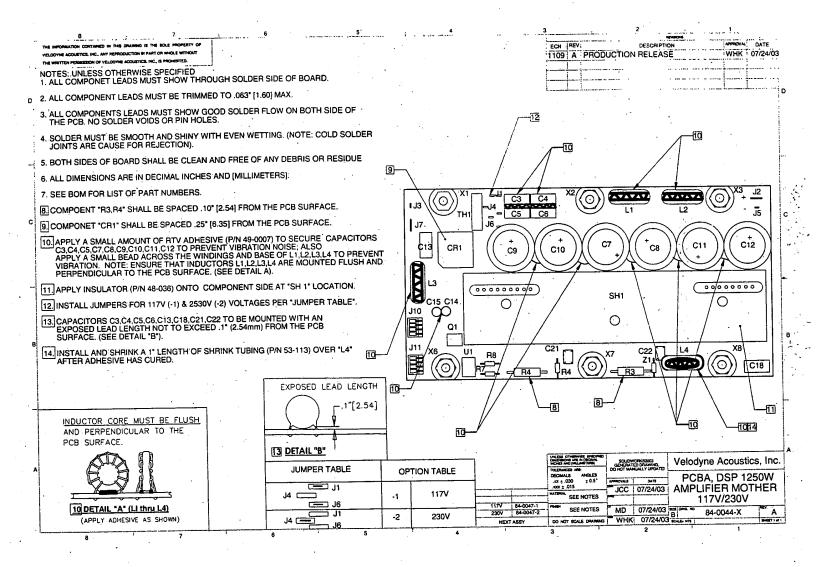


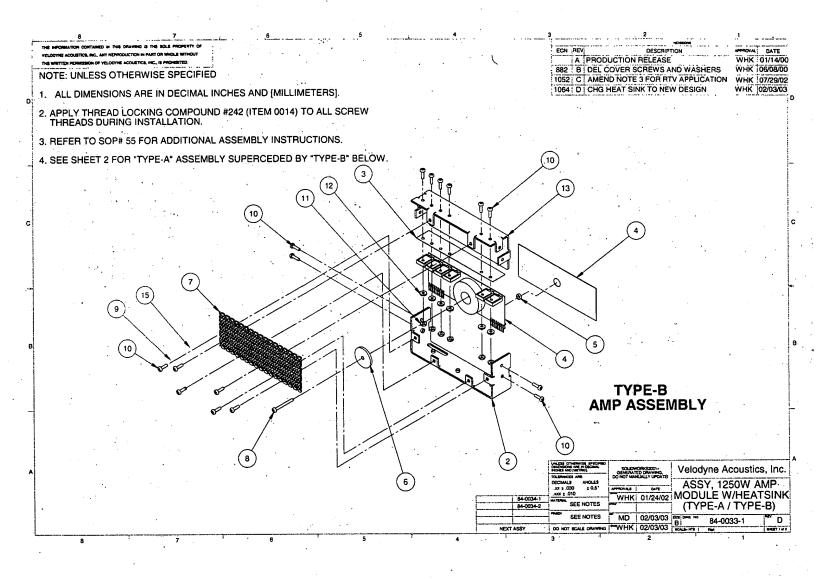






A PRODUCTION RELEASE WHK 06/10/03 1109 B AMEND NOTE 13, ADD NOTE 14 WHK! 07/24/03 NOTES: UNLESS OTHER WISE SPECIFIED 1. THRU-HOLE COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD. 9 14 3. THRU-HOLE COMPONENT LEADS MUST EXHIBIT GOOD SOLDER FLOW ON BOTH SIDES OF THE BOARD. NO SOLDER VOIDS, PINHOLES OR COLD SOLDER JOINTS. 4. SOLDER MUST BE SMOOTH, SHINY WITH EVEN WETTING AND EXHIBIT NO COLD SOLDER JOINTS. (\odot) 12 5. BOTH SIDES OF BOARD MUST BE CLEAN AND FREE OF ANY FLUX RESIDUE. F2 6. SEE BILL OF MATERIALS FOR REFERENCE PART NUMBER 7. TERMINALS "J12 & J13" ARE TO BE INSTALLED PERPENDICULAR TO THE BOARD. (5) 2X (14) 18) 26) 1114 B. INSTALL, SOLDER AND CLEAN THE FOUR FASTON TERMINAL CONNECTORS (ITEM 9) AT "SW1" AS SHOWN.
NOTE: THE PCB CONNECTORS MUST BE MOUNTED PERPENDICULAR ON THE PCB SOLDER SIDE SURFACE. 9. INSTALL JUMPERS (ITEM 21) AT "JP1, JP2 (-1 = 117V) OR JP3 (-2 = 230V)" PER OPTION TABLE BELOW. 2X(22)(23) **9 VOTLTAGE OPTION TABLE** 10. BEND OR TWIST PINS ON HEATSINKS (ITEM 18) TO SECURE TO PC BOARD (6 PLACES). DD Series JPt [11] APPLY SMALL AMOUNT HEATSINK COMPOUND (ITEM 26) BETWEEN REGULATOR (ITEM 14) AND HEATSINK (ITEM 18). 1177 JP2 (§) 9 **DD Series** 12 ADD RTV ADHESIVE (ITEM 0012) AT THE BASE OF CAPACITORS *C4,C5 & C6* TO SECURE-IN-PLACE TO PREVENT VIBRATION. -2 JP3 230V [13] APPLY A 1" LONG BEAD OF ECOBOND (ITEM 26) OR APPROVED EQUIVALENT, ON THE EACH END OF THE TRANSFORMER IN THREE PLACES. 1812 JP1 -3 117V JP2 [14] APPLY A CONTINUOUS BEAD OF ECO BOND (ITEM 26), OR APPROVED EQUIVALENT, AROUND THE BASE OF EACH HEATSINK (ITEM 18). (e) (B(e) 6X(18)10 1812 JP3 230V Velodyne Acoustics, Inc. ASSY, DSP AC JCC 07/23/03 **POWER PCB** SEE NOTES WHK 07/24/03 SEE NOTES | MD | 07/24/03 84-0046-X WHK 07/24/03

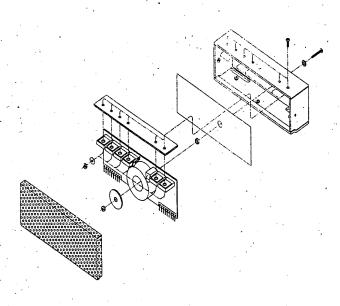




NOTE: UNLESS OTHERWISE SPECIFIED

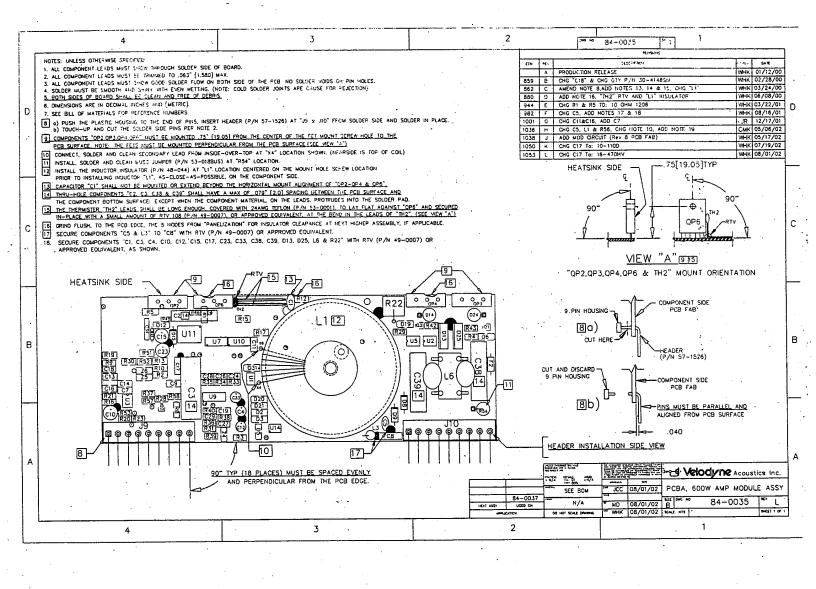
1. SEE SHEET 1 FOR "TYPE-B" ASSEMBLY.

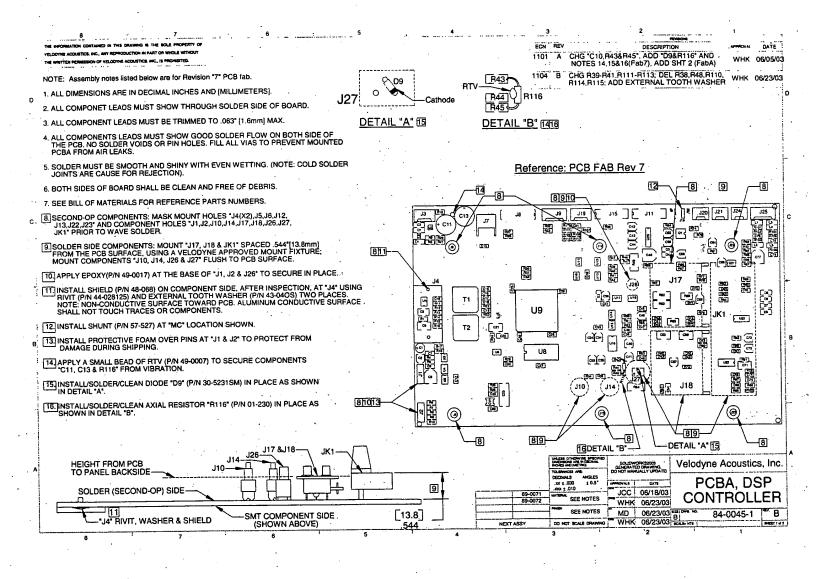
2. REFER TO SOP# 55 FOR ASSEMBLY INSTRUCTIONS

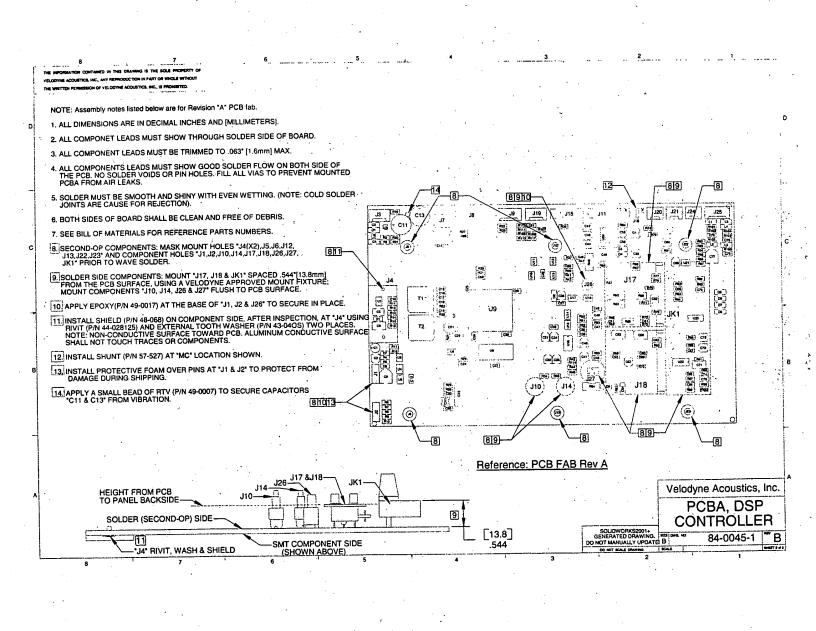


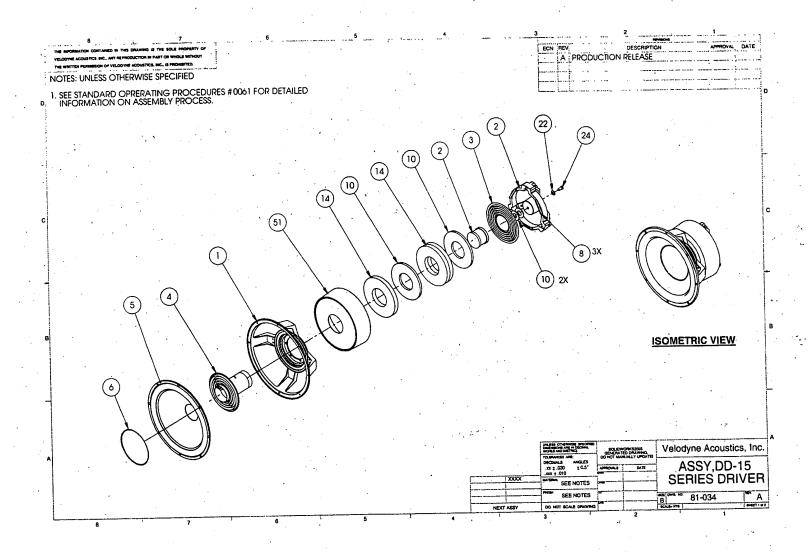
TYPE-A AMP ASSEMBLY

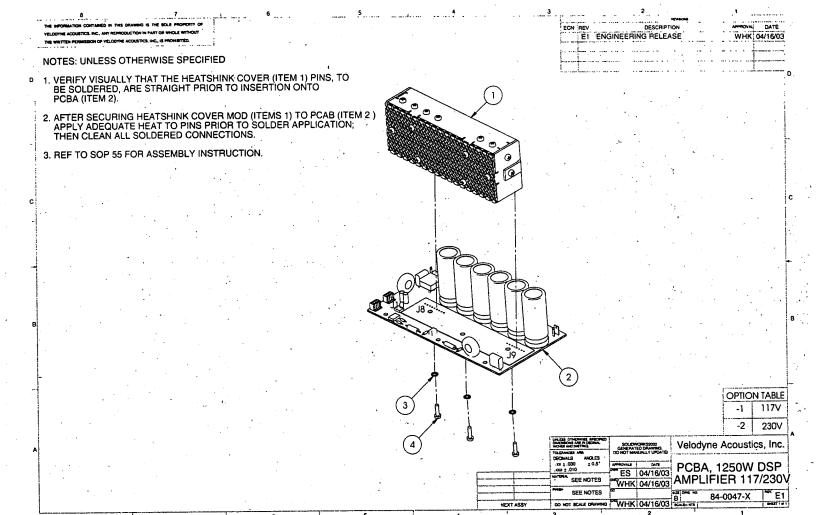
Velodyne Acoustics, Inc.
ASSY, 1250W AMP
MODULE W/HEATSINK
(TYPE-A / TYPE-B)

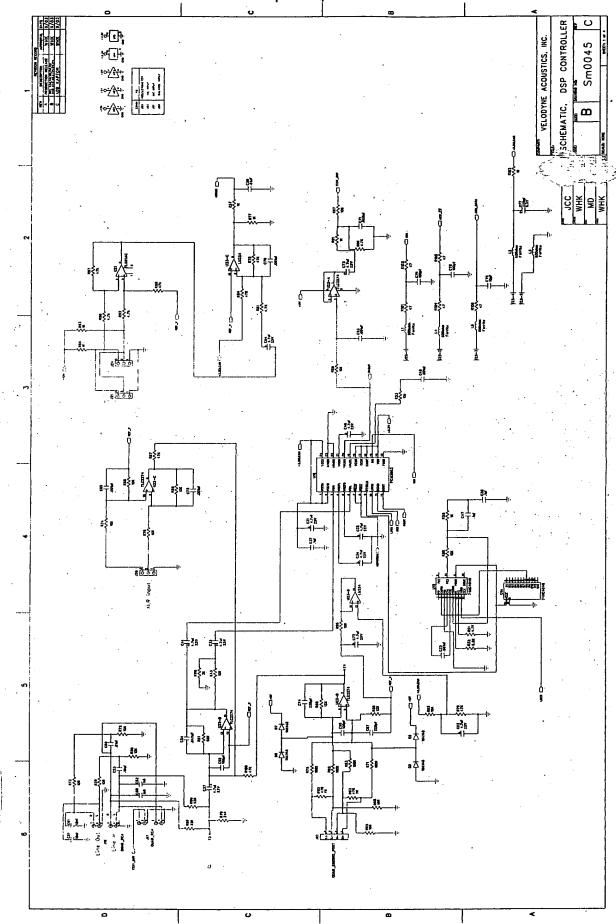


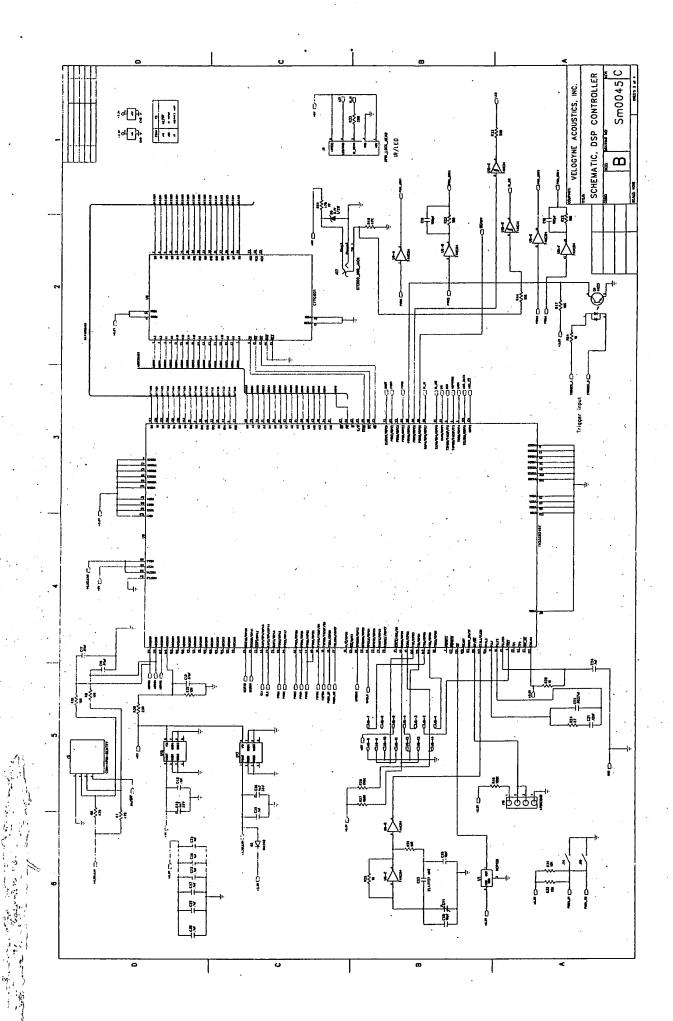


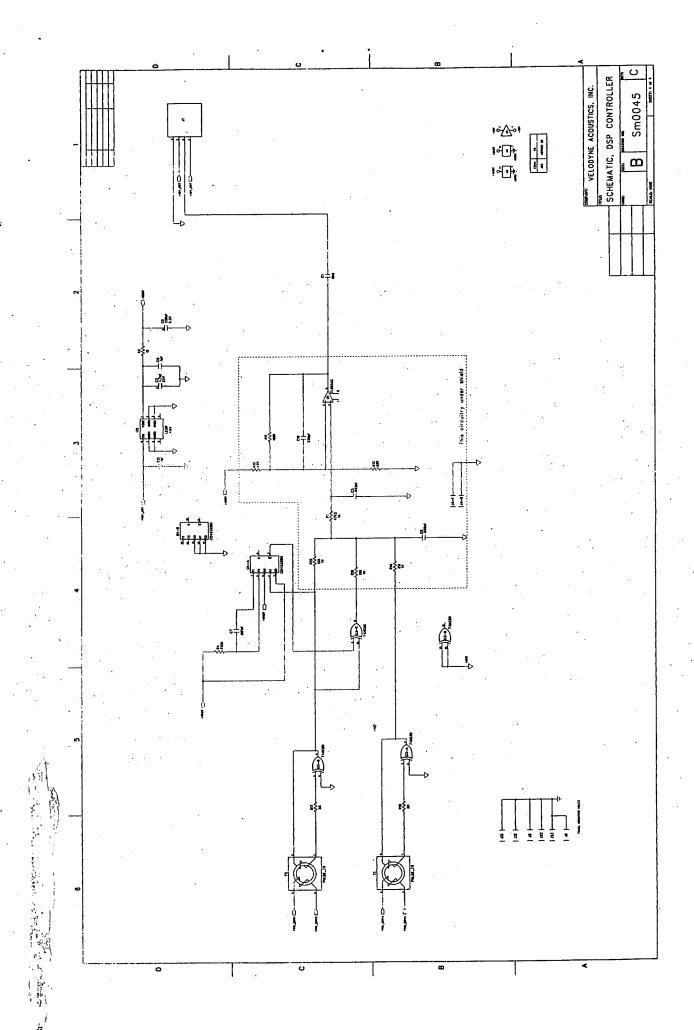


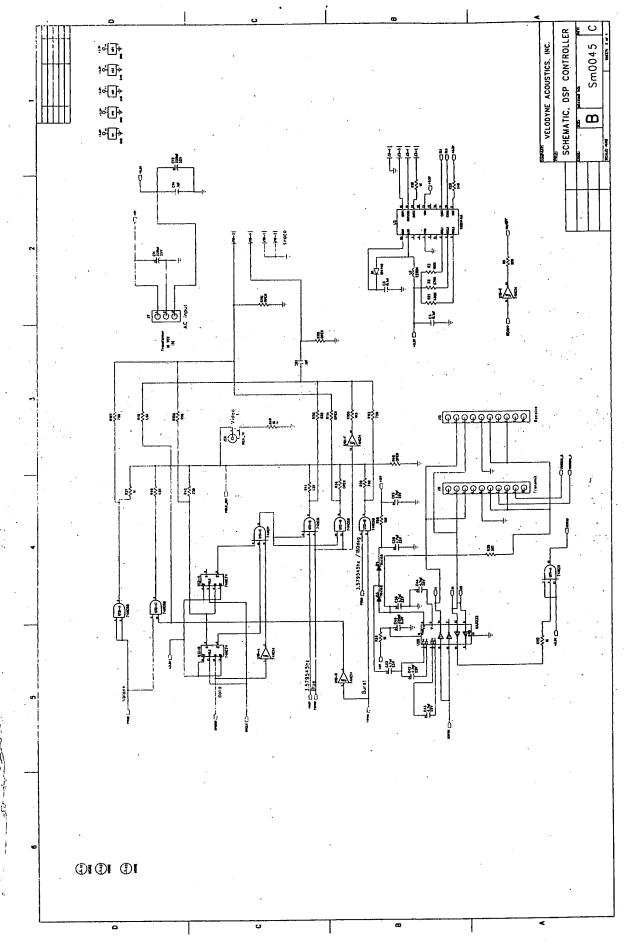












Sm0045revC.sch-3

